

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB 03/04365

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G06F 13/28
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002052987 A1 (COLLIER, J.D.), 2 May 2002 (02.05.02), [0007]-[0010], figur 5, claim 1, abstract	1-16
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A	WO 0196979 A2 (MOTOROLA INC), 20 December 2001 (20.12.01), page 1, line 5 - page 4, line 20, claim 1, abstract	1-16
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A	US 2001049755 A1 (KAGAN, M. ET AL), 6 December 2001 (06.12.01), [0009]-[0030], claim 1, abstract	1-16
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☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 18 December 2003	Date of mailing of the international search report 23-12-2003
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Pär Heimdal /LR Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 03/04365

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	<p>US 6598097 B1 (DANIELS, S.L. ET AL), 22 July 2003 (22.07.03), column 2, line 40 - column 3, line 21, claim 1, abstract</p> <p style="text-align: center;">-- -----</p>	1-16

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB03/04365

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: **17-18**
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

Claims 17-18 are not clear and concise in the meaning of Article 6, PCT. The mentioned claims thus fail to comply with the requirements to such an extent that a meaningful search could not be carried out, see Article 17 (2) (a) (ii) PCT.
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

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INTERNATIONAL SEARCH REPORT

31/10/03

International application No.

PCT/IB 03/04365

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
US	2002052987	A1	02/05/02	US	6324597 B	27/11/01
				US	2001001867 A	24/05/01
				AU	3099400 A	13/06/00
				DE	69905073 D	00/00/00
				EP	1133733 A,B	19/09/01
				US	6202107 B	13/03/01
				WO	0031649 A	02/06/00

WO	0196979	A2	20/12/01	AU	6513801 A	24/12/01
				CN	1436333 T	13/08/03
				EP	1301844 A	16/04/03

US	2001049755	A1	06/12/01	AU	6420001 A	11/12/01
				WO	0193046 A	06/12/01

US	6598097	B1	22/07/03	NONE		